

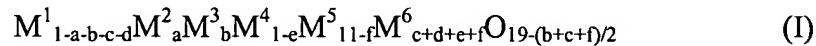
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Q78064
Preliminary Amendment

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): A phosphor for vacuum ultraviolet ray-excited light-emitting elements which comprises a compound represented by the following formula (I):



(wherein M^1 is at least one element selected from the group consisting of La, Y and Gd, M^2 is at least one element selected from the group consisting of Ce and Tb, M^3 is at least one element selected from the group consisting of Ca, Sr and Ba, M^4 is at least one element selected from the group consisting of Mg and Zn, M^5 is at least one element selected from the group consisting of Al and Ga, and M^6 is at least one element selected from the group consisting of Mn and Eu, and a, b, c, d, e and f are numbers satisfying the conditions of $0 \leq a < 1$, $0 \leq b \leq 0.6$, $0 \leq c \leq 0.5$, $0 \leq d \leq 0.5$, $0 \leq e < 1$, $0 \leq f < 1$, $a+b+c+d < 1$, and $0 < c+d+e+f$, respectively.

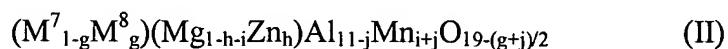
2. (original): A phosphor according to claim 1, wherein c, d, e and f satisfy the condition $0.001 \leq c+d+e+f \leq 1$.

3. (original): A phosphor according to claim 1 or 2, wherein M^4 consists of Mg and Zn.

4. (currently amended): A phosphor according to ~~any one of claims 1-3~~claim 1 or 2, wherein M^1 consists of La and Y.

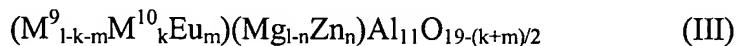
5. (currently amended): A phosphor according to ~~any one of claims 1-4~~claim 1 or 2, wherein M⁵ is Al.

6. (original): A phosphor according to claim 1 which comprises a compound represented by the following formula (II):



(wherein M⁷ is at least one element selected from the group consisting of La, Y and Gd and M⁸ is at least one element selected from the group consisting of Ca, Sr and Ba, and g, h, i and j are numbers satisfying the conditions of 0<g≤0.6, 0≤h≤1, 0≤i≤0.5, 0≤j≤0.5, h+i≤1, and 0<i+j≤0.5, respectively).

7. (original): A phosphor according to claim 1 which comprises a compound represented by the following formula (III):



(wherein M⁹ is at least one element selected from the group consisting of La, Y and Gd and M¹⁰ is at least one element selected from the group consisting of Ca, Sr, and Ba, and k, m and n are numbers satisfying the conditions of 0<k≤0.6, 0<m≤0.4, 0≤n≤1, and k+m<1, respectively).

8. (currently amended): A vacuum ultraviolet ray-excited light-emitting element comprising the phosphor described in ~~any one of claims 1-7~~claim 1 or 2.